

CITY OF LAFAYETTE

W E T W E A T H E R P R O G R A M

Vinton Woods Detention Pond Rehabilitation

Vinton Woods neighborhood, which is located near U.S. 52 and Greenbush Street, is situated in an established residential area. When the neighborhood was developed in the 1960s, stormwater from approximately 130 acres at Munger Park drained to its three connected detention ponds, and today, due to ongoing development upstream, approximately 521 acres drain from Vinton Woods and the surrounding residential area.

As a result, the ponds become overloaded with excess stormwater, which is causing local street flooding and damage to a dam downstream of the neighborhood detention pond system.



Street and Yard Flooding to be Reduced

Currently, after heavy rain or snow, public roadways can flood with stormwater measuring more than one foot deep. Flooding of this magnitude creates dangerous conditions for residents and emergency vehicles traveling in and out of the area. In warmer weather, standing water also can become stagnant. To resolve these safety concerns, the city proposes to improve drainage of public roadways by restoring functionality of the detention pond system and dam.

As part of the Vinton Woods Detention Pond Rehabilitation project, the city will dredge the three ponds and repair leaks in the approximately nine-foot tall dam. Currently, the average depth of the ponds is two to three feet, and when installed the average depth was six to seven feet. The city will complete a study to determine the approximate depth or capacity needed to allow for better management of stormwater runoff and proper functioning of the dam.

Public Safety to Improve

Highlights

Project: Drainage improvements

Estimated Project Cost: \$1,200,000

Status: Planning

Project Benefits:

- Reduced street and yard flooding in Vinton Woods and surrounding neighborhoods
- Improved public safety
- Reduced pollutants and sediment in local waterways

Stormwater drains to the Vinton Woods detention ponds from the area bounded by Greenbush Street to the north, State Road 26 to the south, Creasy Lane to the east and U.S. 52 to the west.

The Vinton Woods Detention Pond Rehabilitation project is part of Lafayette's capital improvement program to improve the water quality of the Wabash River and other local streams and to address poor drainage conditions.

The projects will reduce flooding and satisfy the requirements of the U.S. Environmental Protection Agency and the Indiana Department

of Environmental Management.

